



July 2007

**DEPARTMENT OF EDUCATION**  
2006–2007 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State standards known as *Learning Results*, adopted by the Maine Legislature in 1997. The *Learning Results* established goals for what all students should know and be able to do at certain times in their school careers and are the basis for Grade Level Expectations, which describe the assessment standards for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind* Act.

The 2006-2007 MEA Summary Reports contain the results of student achievement in reading and mathematics at all grades and science and technology at grades 4 and 8, based on achievement standards set last year and disaggregated by student and school characteristics. The reports also contain baseline status in writing at grades 5 and 8, reported according to new standards set this year through a process approved by advisory committees and informed by Maine teachers. This report, together with MEA individual student and subject specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. The writing reports provide information on a student's ability to respond to a prompt measuring narrative writing at grade 5 and persuasive/argumentative writing at grade 8. More information about the design of the MEA is available at [www.maine.gov/education/mea/index.htm](http://www.maine.gov/education/mea/index.htm).

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the Maine Educational Assessment.

Sincerely,

Susan A. Gendron  
Commissioner of Education



## School Report Grade 4

Test Date: March 2007 (Reports Revised October 2007)  
ID: 12601773  
District: MSAD 67  
School: Dr Carl E Troutt School

### Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

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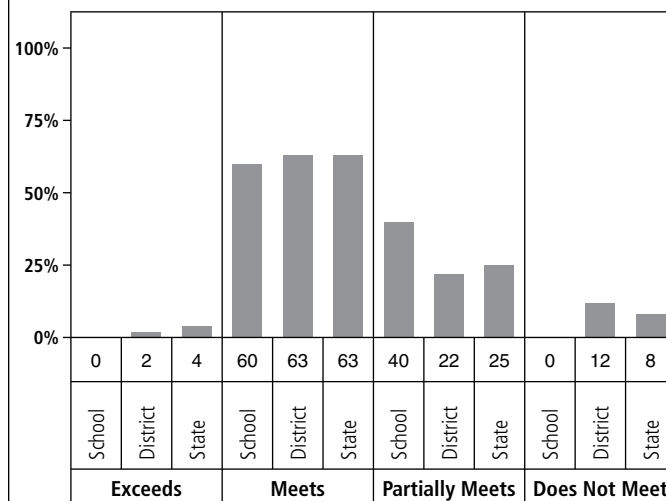
# SUMMARY OF SCORES

Date: March 2007  
Grade: 4  
District: MSAD 67  
School: Dr Carl E Troutt School

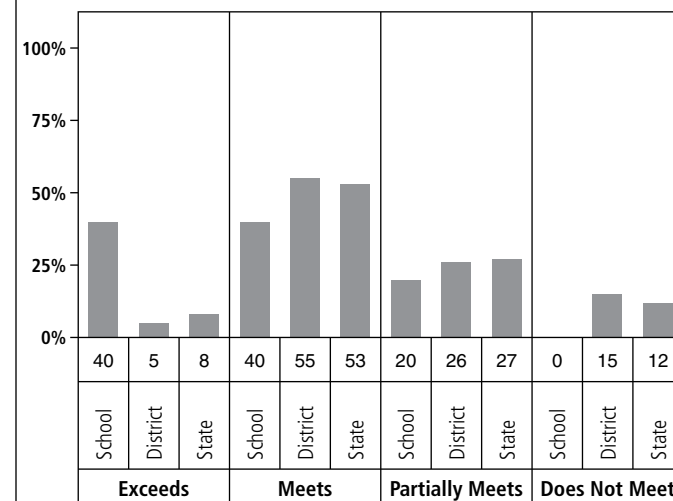
## Summary of School, District, and State Scores

Year	Average Scaled Score		
	School	District	State
<b>ELA – Reading</b>			
2005–2006	445	443	444
<b>2006–2007</b>	<b>447</b>	<b>444</b>	<b>445</b>
Cum. Avg. *	446	444	444
<b>Mathematics</b>			
2005–2006	443	441	444
<b>2006–2007</b>	<b>453</b>	<b>444</b>	<b>445</b>
Cum. Avg. *	446	443	444
<b>Science &amp; Technology</b>			
2005–2006	447	447	444
<b>2006–2007</b>	<b>451</b>	<b>448</b>	<b>444</b>
Cum. Avg. *	448	448	444

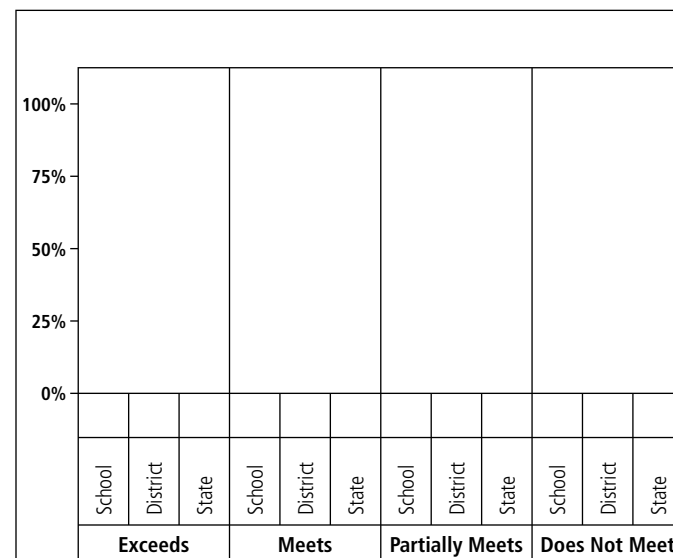
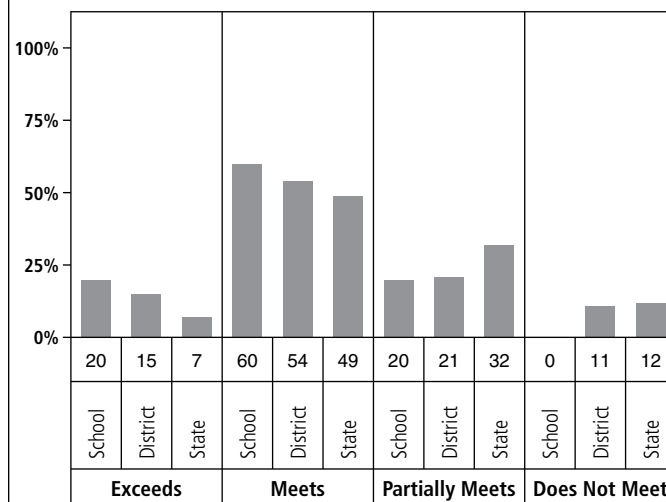
### ELA – READING



### MATHEMATICS



### SCIENCE AND TECHNOLOGY



\*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

# SUMMARY OF STUDENT PARTICIPATION

Date: March 2007  
 Grade: 4  
 District: MSAD 67  
 School: Dr Carl E Troutt School

CATEGORY OF PARTICIPATION		Enrollment <sup>1</sup> during testing window						CONTENT AREA PARTICIPATION <sup>2</sup>																											
								ELA-Reading						Mathematics						Science and Technology															
		School		District		State		School		District		State		School		District		State		School		District		State		School		District		State					
		n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%				
Total number of students		5	100	85	100	14184	100	5	100	84	99	14078	99	5	100	84	99	14078	99	5	100	84	99	14057	99										
Ethnicity	African American	0	0	1	1	391	3	0	0	1	100	385	99	0	0	1	100	387	99	0	0	1	100	377	97										
	American Indian/Native Alaskan	0	0	0	0	117	1	0	0	0	0	112	97	0	0	0	0	112	97	0	0	0	0	112	97										
	Asian/Pacific Islander	0	0	1	1	204	1	0	0	1	100	204	100	0	0	1	100	204	100	0	0	1	100	204	100										
	Hispanic	0	0	1	1	171	1	0	0	1	100	171	100	0	0	1	100	170	99	0	0	1	100	169	99										
	White	5	100	82	96	13295	94	5	100	81	99	13204	99	5	100	81	99	13203	99	5	100	81	99	13193	99										
	Not Reported	0	0	0	0	6	0	0	0	0	0	2	33	0	0	0	0	2	33	0	0	0	0	2	33										
Identified disability		2	40	16	19	2538	18	2	100	16	100	2508	99	2	100	16	100	2509	99	2	100	16	100	2502	99										
Current LEP		0	0	0	0	302	2	0	0	0	0	298	99	0	0	0	0	300	99	0	0	0	0	289	96										
Economically disadvantaged		1	20	43	51	5522	39	1	100	43	100	5468	99	1	100	43	100	5467	99	1	100	43	100	5450	99										
Migrant		0	0	1	1	4	0	0	0	1	100	4	100	0	0	1	100	4	100	0	0	1	100	4	100										

MODE OF PARTICIPATION <sup>3</sup>	ELA-Reading						Mathematics						Science and Technology											
	School		District		State		School		District		State		School		District		State		School		District		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	3	60	66	78	10869	77	3	60	64	75	10883	77	3	60	65	76	10890	77						
Identified disability (PET/IEP)	0	0	3	5	435	4	0	0	3	5	445	4	0	0	3	5	453	4						
LEP	0	0	0	0	133	1	0	0	0	0	124	1	0	0	0	0	126	1						
504 plan	0	0	0	0	122	1	0	0	0	0	122	1	0	0	0	0	123	1						
Participation with accommodations	2	40	16	19	3019	21	2	40	18	21	3029	21	2	40	17	20	3014	21						
Identified disability (PET/IEP)	2	100	11	69	1897	63	2	100	11	61	1903	63	2	100	11	65	1900	63						
LEP	0	0	0	0	151	5	0	0	0	0	172	6	0	0	0	0	160	5						
504 plan	0	0	2	13	62	2	0	0	2	11	62	2	0	0	2	12	61	2						
Other	0	0	3	19	941	31	0	0	5	28	924	31	0	0	4	24	925	31						
Participation through alternate assessment (PAAP)	0	0	2	2	180	1	0	0	2	2	166	1	0	0	2	2	153	1						
Identified disability (PET/IEP)	0	0	2	100	175	97	0	0	2	100	161	97	0	0	2	100	149	97						
LEP	0	0	0	0	4	2	0	0	0	0	4	2	0	0	0	0	3	2						
504 plan	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1						
Approved non-participation in reading – 1st year LEP	0	0	0	0	10	0																		
Approved non-participation – special consideration	0	0	0	0	17	0	0	0	0	0	19	0	0	0	0	0	19	0						
Non-participation – other	0	0	1	1	89	1	0	0	1	1	87	1	0	0	1	1	108	1						

1 Percents are the percentage of students enrolled in each participation category.

2 Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

3 Percents are the percentage of students in each content area by mode.

# ELA–READING RESULTS

Date: March 2007  
Grade: 4  
District: MSAD 67  
School: Dr Carl E Troutt School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		District		State	
		N	%	N	%	N	%
<b>Exceeds the Standards</b> – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (scaled score 461–480)	2005-2006 <b>2006-2007</b> Cum. Avg.	0	0	3	4	601	4
		<b>0</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>507</b>	<b>4</b>
		0	0	3	4	554	4
<b>Meets the Standards</b> – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (scaled score 441–460)	2005-2006 <b>2006-2007</b> Cum. Avg.	10	77	46	57	7910	57
		<b>3</b>	<b>60</b>	<b>52</b>	<b>63</b>	<b>8749</b>	<b>63</b>
		7	70	49	59	8330	60
<b>Partially Meets the Standards</b> – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (scaled score 431–440)	2005-2006 <b>2006-2007</b> Cum. Avg.	3	23	23	28	3970	29
		<b>2</b>	<b>40</b>	<b>18</b>	<b>22</b>	<b>3467</b>	<b>25</b>
		3	30	21	25	3719	27
<b>Does Not Meet the Standards</b> – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (scaled score 400–430)	2005-2006 <b>2006-2007</b> Cum. Avg.	0	0	9	11	1421	10
		<b>0</b>	<b>0</b>	<b>10</b>	<b>12</b>	<b>1165</b>	<b>8</b>
		0	0	10	12	1293	9

Learning Results Content Standard Cluster	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		District		State	
	N	%	N	%	N	%	N	%
Total Reading Cluster	48	100	32.8	68.3	30.1	62.7	31.0	64.6
Literary Text	24	50	16.8	70.0	15.7	65.4	16.4	68.3
Informational Text	24	50	16.0	66.7	14.4	60.0	14.5	60.4

The Maine *Learning Results* reading cluster includes Content Standards A (Process of Reading), B (Literature and Culture), and D (Informational Texts). The MEA assesses students’ reading skills based on questions related to two types of reading passages: literary and informational. Passages include both long and short authentic texts, selected from developmentally appropriate published works. Items on the MEA measure Grade Level Expectations, based on Maine’s *Learning Results*, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.

# ELA-READING RESULTS

## (CONTINUED)

Date: March 2007  
Grade: 4  
District: MSAD 67  
School: Dr Carl E Troutt School

REPORTING CATEGORIES	School										District						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
<b>All Students</b>	5	0	0	3	60	2	40	0	0	447	82	2	63	22	12	444	13888	4	63	25	8	445
<b>Ethnicity</b>																						
African American	0										1						372	0	44	31	25	437
American Indian/Native Alaskan	0										0						110	1	49	34	16	441
Asian/Pacific Islander	0										1						200	4	66	22	9	446
Hispanic	0										1						166	0	51	37	12	441
White	5	0	0	3	60	2	40	0	0	447	79	3	63	22	13	444	13038	4	64	25	8	445
Not Reported	0										0						2					
<b>Identified disability</b>																						
Yes	2										14	0	29	29	43	434	2332	1	34	41	25	438
No	3										68	3	71	21	6	446	11556	4	69	22	5	447
<b>Limited English proficient students</b>																						
Current LEP in first year	0										0						5	0	20	20	60	421
Current LEP beyond first year	0										0						279	0	31	36	33	435
<b>Economically disadvantaged</b>																						
Yes	1										41	2	49	24	24	440	5368	1	52	33	14	442
No	4										41	2	78	20	0	448	8520	5	70	20	5	447
<b>Migrant</b>																						
Yes	0										1						4					
No	5	0	0	3	60	2	40	0	0	447	81	2	63	22	12	444	13884	4	63	25	8	445
<b>Gender</b>																						
Female	2										35	3	66	23	9	445	6719	5	65	23	8	446
Male	3										47	2	62	21	15	443	7167	3	61	27	9	444
Not Reported	0										0						2					
<b>Title 1A targeted program</b>																						
Yes	1										29	0	34	45	21	438	1864	0	38	44	18	439
No	4										53	4	79	9	8	447	12024	4	67	22	7	446
<b>Gifted/talented program</b>																						
Yes	0										1						402	19	80	0	0	457
No	5	0	0	3	60	2	40	0	0	447	81	2	63	22	12	444	13486	3	62	26	9	445

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

# ELA–READING RESULTS

## (QUESTIONNAIRE ITEMS)

Date: March 2007  
Grade: 4  
District: MSAD 67  
School: Dr Carl E Troutt School

QUESTIONNAIRE ITEMS	School										District						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
<b>How much homework do you do on school nights?</b>																						
A. none	0										2	50	0	0	50	438	5	1	45	33	21	440
B. less than one hour	100	0	0	3	60	2	40	0	0	447	77	2	63	23	13	444	76	4	64	24	7	446
C. one to two hours	0										21	0	71	24	6	444	18	4	65	24	7	446
D. more than two hours	0										0						2	3	43	32	23	440
<b>How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?</b>																						
A. The questions on the test match what I have learned in reading class.	20	0	0	1	100	0	0	0	0	452	41	3	71	15	12	446	31	5	67	20	7	447
B. They match some of what I have learned.	60	0	0	2	67	1	33	0	0	448	44	3	61	25	11	444	51	3	67	24	6	446
C. They match just a little of what I have learned.	20	0	0	0	0	1	100	0	0	438	11	0	67	33	0	444	13	1	49	34	15	441
D. There is no match.	0										4	0	0	33	67	427	5	1	37	39	22	439
<b>Which of the following best describes how you rate yourself as a student in reading?</b>																						
A. very good	40	0	0	1	50	1	50	0	0	446	34	0	79	7	14	446	36	6	70	17	6	448
B. good	40	0	0	1	50	1	50	0	0	445	50	5	59	27	10	444	49	3	63	27	7	445
C. fair	20	0	0	1	100	0	0	0	0	452	12	0	50	50	0	443	13	1	49	36	14	441
D. poor	0										4	0	33	0	67	426	2	0	32	38	30	436
<b>How hard was the reading part of this test?</b>																						
A. harder than my regular schoolwork	60	0	0	1	33	2	67	0	0	443	11	0	44	44	11	441	16	1	47	35	17	441
B. about the same as my regular schoolwork	40	0	0	2	100	0	0	0	0	452	66	2	72	19	8	445	61	4	67	23	6	446
C. easier than my regular schoolwork	0										23	6	56	17	22	442	23	3	64	24	8	445
<b>How hard were the reading passages on this test?</b>																						
A. Most of the passages were more difficult than what I usually read.	0										10	0	38	25	38	436	14	0	35	42	23	438
B. Most of the passages were about the same as what I usually read.	100	0	0	3	60	2	40	0	0	447	46	0	71	24	5	445	51	3	66	25	6	445
C. Most of the passages were easier than what I usually read.	0										44	6	61	19	14	445	36	6	71	17	6	448
<b>How much time do you spend reading at home each day?</b>																						
A. more than one hour	20	0	0	1	100	0	0	0	0	452	18	0	67	13	20	444	18	6	66	21	7	447
B. 20 minutes to an hour	60	0	0	2	67	1	33	0	0	448	38	3	68	23	6	446	55	4	67	22	6	446
C. less than 20 minutes	20	0	0	0	0	1	100	0	0	438	32	0	65	27	8	443	14	1	57	29	13	442
D. I rarely read at home.	0										12	10	40	20	30	441	13	1	49	36	13	441
<b>How many pages do you read in school and to complete homework assignments?</b>																						
A. five or fewer pages	0										26	0	48	38	14	442	23	3	54	31	12	443
B. six to ten pages	20	0	0	1	100	0	0	0	0	452	35	4	71	21	4	445	26	3	63	26	8	445
C. eleven or more pages	80	0	0	2	50	2	50	0	0	446	39	3	68	10	19	444	51	4	68	21	6	447
<b>Optional school/district question</b>																						
A.	0										0											
B.	0										100	0	0	0	100	430						
C.	0										0											
D.	0										0											

# MATHEMATICS RESULTS

Date: March 2007  
Grade: 4  
District: MSAD 67  
School: Dr Carl E Troutt School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		District		State	
		N	%	N	%	N	%
<b>Exceeds the Standards</b> – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (scaled score 461–480)	2005-2006	1	8	2	2	1294	9
	<b>2006-2007</b>	<b>2</b>	<b>40</b>	<b>4</b>	<b>5</b>	<b>1054</b>	<b>8</b>
	Cum. Avg.	2	20	3	4	1174	8
<b>Meets the Standards</b> – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (scaled score 441–460)	2005-2006	5	38	40	49	7000	50
	<b>2006-2007</b>	<b>2</b>	<b>40</b>	<b>45</b>	<b>55</b>	<b>7394</b>	<b>53</b>
	Cum. Avg.	4	40	43	52	7197	52
<b>Partially Meets the Standards</b> – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (scaled score 429–440)	2005-2006	7	54	23	28	3784	27
	<b>2006-2007</b>	<b>1</b>	<b>20</b>	<b>21</b>	<b>26</b>	<b>3729</b>	<b>27</b>
	Cum. Avg.	4	40	22	27	3757	27
<b>Does Not Meet the Standards</b> – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (scaled score 400–428)	2005-2006	0	0	16	20	1894	14
	<b>2006-2007</b>	<b>0</b>	<b>0</b>	<b>12</b>	<b>15</b>	<b>1735</b>	<b>12</b>
	Cum. Avg.	0	0	14	17	1815	13

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		District		State	
	N	%	N	%	N	%	N	%
Cluster 1: Numbers and Operations	15	31	10.4	69.3	9.6	64.0	10.1	67.3
Cluster 2: Shape and Size	14	29	10.6	75.7	9.3	66.4	8.6	61.4
Cluster 3: Mathematical Decision Making	5	10	4.4	88.0	4.0	80.0	3.6	72.0
Cluster 4: Patterns	14	29	10.4	74.3	8.4	60.0	8.9	63.6

## Cluster 1: Numbers and Operations

- A. Numbers and Number Sense
- B. Computation
- I. Discrete Mathematics (grades 3 and 4 only)

## Cluster 2: Shape and Size

- E. Geometry
- F. Measurement

## Cluster 3: Mathematical Decision Making

- C. Data Analysis and Statistics
- D. Probability

## Cluster 4: Patterns

- G. Patterns, Relations, and Functions
- H. Algebra Concepts
- K. Mathematical Communication

Each content standard in the clusters above is defined in Maine’s *Learning Results*, which are the basis for Grade Level Expectations. Each item on the MEA measures a grade level expectation, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.

# MATHEMATICS RESULTS

## (CONTINUED)

Date: March 2007  
 Grade: 4  
 District: MSAD 67  
 School: Dr Carl E Troutt School

REPORTING CATEGORIES	School										District						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
<b>All Students</b>	5	2	40	2	40	1	20	0	0	453	82	5	55	26	15	444	13912	8	53	27	12	445
<b>Ethnicity</b>																						
African American	0										1						381	2	33	31	34	435
American Indian/Native Alaskan	0										0						110	1	58	30	11	443
Asian/Pacific Islander	0										1						202	9	57	22	11	447
Hispanic	0										1						166	2	44	37	17	441
White	5	2	40	2	40	1	20	0	0	453	79	5	53	27	15	444	13051	8	54	27	12	445
Not Reported	0										0						2					
<b>Identified disability</b>																						
Yes	2										14	7	21	29	43	434	2348	2	34	34	30	437
No	3										68	4	62	25	9	447	11564	9	57	25	9	446
<b>Limited English proficient students</b>																						
Current LEP in first year	0										0						13	0	31	8	62	426
Current LEP beyond first year	0										0						283	2	34	30	34	435
<b>Economically disadvantaged</b>																						
Yes	1										41	0	46	29	24	439	5379	3	44	34	19	440
No	4										41	10	63	22	5	450	8533	11	59	23	8	448
<b>Migrant</b>																						
Yes	0										1						4					
No	5	2	40	2	40	1	20	0	0	453	81	5	54	26	15	444	13908	8	53	27	12	445
<b>Gender</b>																						
Female	2										35	3	49	34	14	442	6727	7	53	27	13	444
Male	3										47	6	60	19	15	447	7183	8	54	26	12	445
Not Reported	0										0						2					
<b>Title 1A targeted program</b>																						
Yes	1										29	0	31	45	24	437	1872	1	32	42	25	436
No	4										53	8	68	15	9	449	12040	9	56	24	10	446
<b>Gifted/talented program</b>																						
Yes	0										1						402	42	55	2	0	461
No	5	2	40	2	40	1	20	0	0	453	81	5	54	26	15	444	13510	7	53	28	13	444

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number



# MATHEMATICS RESULTS

## (QUESTIONNAIRE ITEMS)

Date: March 2007  
Grade: 4  
District: MSAD 67  
School: Dr Carl E Troutt School

QUESTIONNAIRE ITEMS	School										District						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
<b>How much homework do you do on school nights?</b>																						
A. none	0										2	0	50	0	50	439	5	4	40	28	28	439
B. less than one hour	100	2	40	2	40	1	20	0	0	453	77	6	52	26	16	445	76	8	54	26	11	445
C. one to two hours	0										21	0	65	29	6	444	18	7	54	28	11	445
D. more than two hours	0										0						2	4	36	35	26	438
<b>How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?</b>																						
A. The questions on the test match what I have learned in mathematics class.	40	2	100	0	0	0	0	0	0	466	52	7	60	26	7	448	40	11	58	22	9	448
B. They match some of what I have learned.	60	0	0	2	67	1	33	0	0	444	34	4	54	29	14	443	46	6	54	29	11	444
C. They match just a little of what I have learned.	0										10	0	50	25	25	439	10	4	40	34	23	439
D. There is no match.	0										4	0	0	0	100	417	4	4	28	35	33	436
<b>Which of the following best describes how you rate yourself as a student in mathematics?</b>																						
A. very good	60	2	67	1	33	0	0	0	0	461	37	10	60	20	10	447	37	14	59	18	9	449
B. good	40	0	0	1	50	1	50	0	0	440	54	2	52	27	18	443	46	5	54	29	12	444
C. fair	0										9	0	57	43	0	445	14	2	42	38	19	440
D. poor	0										1	0	0	0	100	416	2	1	27	43	29	435
<b>How hard was the mathematics part of this test?</b>																						
A. harder than my regular schoolwork	20	1	100	0	0	0	0	0	0	468	4	33	33	0	33	450	12	4	37	34	25	438
B. about the same as my regular schoolwork	60	0	0	2	67	1	33	0	0	444	65	2	53	30	15	443	62	7	56	27	10	445
C. easier than my regular schoolwork	20	1	100	0	0	0	0	0	0	464	32	8	62	19	12	446	26	11	56	23	10	447
<b>How often do you use hands-on materials in mathematics class?</b>																						
A. almost every day	0										9	0	43	43	14	440	21	6	47	29	18	442
B. two or three days a week	40	2	100	0	0	0	0	0	0	466	30	8	56	28	8	446	37	8	55	26	11	445
C. two or three times each month	60	0	0	2	67	1	33	0	0	444	57	4	55	23	17	445	34	9	57	26	9	446
D. never	0										4	0	67	0	33	438	8	6	46	30	18	442
<b>How often do you use calculators in mathematics class?</b>																						
A. almost every day	0										0						4	2	33	34	31	436
B. two or three days a week	20	1	100	0	0	0	0	0	0	468	11	11	22	67	0	444	19	6	47	31	15	443
C. two or three times each month	80	1	25	2	50	1	25	0	0	449	80	5	58	23	14	445	56	9	58	24	8	447
D. never	0										9	0	57	0	43	438	21	6	50	28	16	443
<b>On average, how many minutes a day do you spend working on mathematics in class?</b>																						
A. less than 30 minutes	0										10	0	25	38	38	434	8	3	39	35	24	438
B. 30–45 minutes	60	1	33	1	33	1	33	0	0	451	24	5	50	30	15	443	27	5	51	30	15	443
C. 45–60 minutes	40	1	50	1	50	0	0	0	0	455	54	7	61	23	9	448	40	9	57	25	10	446
D. more than 60 minutes	0										12	0	60	20	20	443	25	10	56	24	10	447
<b>Optional school/district question</b>																						
A.	0										0											
B.	0										100	0	0	0	100	406						
C.	0										0											
D.	0										0											

# SCIENCE AND TECHNOLOGY RESULTS

Date: March 2007  
Grade: 4  
District: MSAD 67  
School: Dr Carl E Troutt School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		District		State	
		N	%	N	%	N	%
The quality of a student's work at each achievement level reflects progress in attaining Maine's Grade Span Expectations in science and technology.							
<b>Exceeds the Standards</b> – The student's work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student's responses demonstrate the ability to synthesize information, analyze and solve difficult problems using the processes of scientific inquiry, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (scaled score 461–480)	2005-2006	0	0	7	9	751	5
	<b>2006-2007</b>	<b>1</b>	<b>20</b>	<b>12</b>	<b>15</b>	<b>963</b>	<b>7</b>
	Cum. Avg.	1	10	10	12	857	6
<b>Meets the Standards</b> – The student's work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student's responses demonstrate the ability to analyze and solve routine problems using the processes of scientific inquiry and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (scaled score 441–460)	2005-2006	11	85	48	59	7251	52
	<b>2006-2007</b>	<b>3</b>	<b>60</b>	<b>44</b>	<b>54</b>	<b>6824</b>	<b>49</b>
	Cum. Avg.	7	70	46	55	7038	50
<b>Partially Meets the Standards</b> – The student's work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student's responses demonstrate some ability to analyze and solve problems using scientific inquiry but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (scaled score 429–440)	2005-2006	0	0	20	25	4514	32
	<b>2006-2007</b>	<b>1</b>	<b>20</b>	<b>17</b>	<b>21</b>	<b>4382</b>	<b>32</b>
	Cum. Avg.	1	10	19	23	4448	32
<b>Does Not Meet the Standards</b> – The student's work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student's responses demonstrate minimal ability to solve problems and use the skills of scientific inquiry. There are many inaccuracies and explanations are illogical, incomplete, or missing. (scaled score 400–428)	2005-2006	2	15	6	7	1458	10
	<b>2006-2007</b>	<b>0</b>	<b>0</b>	<b>9</b>	<b>11</b>	<b>1735</b>	<b>12</b>
	Cum. Avg.	1	10	8	10	1597	11

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		District		State	
	N	%	N	%	N	%	N	%
Cluster 1: Life Sciences	12	25	8.6	71.7	8.3	69.2	7.6	63.3
Cluster 2: Physical Sciences	12	25	9.0	75.0	9.0	75.0	8.8	73.3
Cluster 3: Earth and Space Sciences	12	25	8.4	70.0	7.8	65.0	6.8	56.7
Cluster 4: Nature and Implications of Science	12	25	8.6	71.7	7.9	65.8	7.8	65.0

## Cluster 1: Life Sciences

- A. Classifying Life Forms
- B. Ecology
- C. Cells

## Cluster 2: Physical Sciences

- E. Structure of Matter
- H. Energy
- I. Motion

## Cluster 3: Earth and Space Sciences

- D. Continuity and Change
- F. The Earth
- G. The Universe

## Cluster 4: Nature and Implications of Science

- J. Inquiry and Problem Solving
- K. Scientific Reasoning
- L. Communication
- M. Implications of Science & Technology

Each content standard in the clusters shown is defined in Maine's *Learning Results*, which are the basis for science and technology Grade Span Expectations. Each item on the MEA measures a grade span expectation, which can be found at <http://www.maine.gov/education/salt/gles.htm>.

# SCIENCE AND TECHNOLOGY RESULTS

(CONTINUED)

Date: March 2007  
 Grade: 4  
 District: MSAD 67  
 School: Dr Carl E Troutt School

REPORTING CATEGORIES	School										District						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
<b>All Students</b>	5	1	20	3	60	1	20	0	0	451	82	15	54	21	11	448	13904	7	49	32	12	444
<b>Ethnicity</b>																						
African American	0										1						371	2	29	39	30	435
American Indian/Native Alaskan	0										0						110	2	35	41	22	440
Asian/Pacific Islander	0										1						202	10	49	30	12	445
Hispanic	0										1						166	4	41	40	16	441
White	5	1	20	3	60	1	20	0	0	451	79	13	56	20	11	448	13053	7	50	31	12	444
Not Reported	0										0						2					
<b>Identified disability</b>																						
Yes	2										14	7	29	21	43	437	2353	3	33	39	25	438
No	3										68	16	59	21	4	451	11551	8	52	30	10	445
<b>Limited English proficient students</b>																						
Current LEP in first year	0										0						5	0	20	40	40	432
Current LEP beyond first year	0										0						281	2	24	40	34	434
<b>Economically disadvantaged</b>																						
Yes	1										41	7	46	24	22	442	5370	3	41	37	19	440
No	4										41	22	61	17	0	454	8534	9	54	28	9	446
<b>Migrant</b>																						
Yes	0										1						4					
No	5	1	20	3	60	1	20	0	0	451	81	15	53	21	11	448	13900	7	49	32	12	444
<b>Gender</b>																						
Female	2										35	14	57	14	14	447	6720	7	48	32	13	443
Male	3										47	15	51	26	9	449	7182	7	50	31	12	444
Not Reported	0										0						2					
<b>Title 1A targeted program</b>																						
Yes	1										29	0	41	41	17	440	1865	1	31	42	26	437
No	4										53	23	60	9	8	453	12039	8	52	30	10	445
<b>Gifted/talented program</b>																						
Yes	0										1						401	31	64	4	1	458
No	5	1	20	3	60	1	20	0	0	451	81	15	53	21	11	448	13503	6	49	32	13	444

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

# SCIENCE AND TECHNOLOGY RESULTS

## (QUESTIONNAIRE ITEMS)

Date: March 2007  
Grade: 4  
District: MSAD 67  
School: Dr Carl E Troutt School

QUESTIONNAIRE ITEMS	School										District						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
<b>How much homework do you do on school nights?</b>																						
A. none	0										2	0	50	50	0	445	5	4	37	35	23	440
B. less than one hour	100	1	20	3	60	1	20	0	0	451	77	16	53	21	10	449	76	7	50	32	11	444
C. one to two hours	0										21	6	59	18	18	446	18	8	50	30	12	444
D. more than two hours	0										0						2	3	39	32	26	438
<b>How well do the questions that you have just been given on this MEA test match what you have learned in school about science?</b>																						
A. The questions on the test match what I have learned in science class.	0										54	16	66	9	9	452	21	10	50	28	12	445
B. They match some of what I have learned.	100	1	20	3	60	1	20	0	0	451	38	16	39	32	13	446	49	7	51	32	11	445
C. They match just a little of what I have learned.	0										6	0	40	40	20	434	24	5	48	33	14	443
D. There is no match.	0										2	0	50	50	0	441	7	4	38	37	21	439
<b>Which of the following best describes how you rate yourself as a student in science?</b>																						
A. very good	20	1	100	0	0	0	0	0	0	472	27	23	59	14	5	454	23	9	51	27	13	445
B. good	80	0	0	3	75	1	25	0	0	446	63	13	58	19	10	448	54	8	51	31	11	445
C. fair	0										9	0	14	57	29	437	20	4	46	37	14	442
D. poor	0										1	0	0	0	100	410	3	2	31	38	29	436
<b>How difficult was the science part of this test?</b>																						
A. harder than my regular schoolwork	0										5	0	25	0	75	431	24	6	48	32	14	443
B. about the same as my regular schoolwork	60	0	0	3	100	0	0	0	0	448	71	17	53	21	9	449	61	8	50	31	11	445
C. easier than my regular schoolwork	40	1	50	0	0	1	50	0	0	456	24	10	60	25	5	448	15	7	48	31	14	443
<b>How often do you have science classes?</b>																						
A. every day	20	0	0	0	0	1	100	0	0	440	43	9	54	26	11	447	26	7	48	32	13	444
B. a few times a week	80	1	25	3	75	0	0	0	0	454	52	21	56	16	7	451	53	8	51	31	11	445
C. once a week	0										0						10	4	45	32	18	442
D. a few times a month	0										5	0	25	25	50	433	11	6	48	33	13	443
<b>Which statement best describes how you learn science?</b>																						
A. I mostly read a textbook and answer questions, and/or take notes and do assignments. I use science kits for demonstrations and experiments.	0										20	7	53	13	27	445	23	5	45	35	15	442
B. I work in groups to design and conduct experiments.	25	1	100	0	0	0	0	0	0	472	16	17	25	42	17	443	26	4	44	37	16	442
C. I do a combination of A and B, mostly A.	25	0	0	1	100	0	0	0	0	450	33	32	56	12	0	456	28	10	53	28	10	446
D. I do a combination of A and B, mostly B.	50	0	0	1	50	1	50	0	0	443	31	4	65	17	13	447	24	9	54	27	10	446
<b>Optional school/district question</b>																						
A.	0										0											
B.	0										100	0	0	0	100	428						
C.	0										0											
D.	0										0											